

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2005/000078

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C12Q1/68

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched
SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

DATABASES: WPIDS, CPlus, Medline, Biosis

Keywords: bipolar/manic()depress?/mania/depress?; 4q35/FAT()gene

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 1998/056947 A (The Garvan Institute of Medical Research et al.) 17 December 1998 p. 7 line 6 – p. 9 line 31; Table 1, 3, 4; Claims 2-8, 10	1, 2
X	Adams, L. J. et al., 1998, A susceptibility locus for bipolar affective disorder on chromosome 4q35, <i>American Journal of Human Genetics</i> , 62: 1084-1091. Whole document	1, 2
X	Blair, I. P. et al., 2002, A transcript map encompassing a susceptibility locus for bipolar affective disorder on chromosome 4q35, <i>Molecular Psychiatry</i> , 7: 867-873. Figure 1; p. 871-872 <i>Discussion</i>	1, 2

 Further documents are listed in the continuation of Box C See patent family annex

* Special categories of cited documents:		
"A" document defining the general state of the art which is not considered to be of particular relevance	"T"	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"E" earlier application or patent but published on or after the international filing date	"X"	document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"Y"	document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"O" document referring to an oral disclosure, use, exhibition or other means	"&"	document member of the same patent family
"P" document published prior to the international filing date but later than the priority date claimed		

Date of the actual completion of the international search

7 March 2005

Date of mailing of the international search report

16 MAR 2005

Name and mailing address of the ISA/AU

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	Badenhop, R. F. et al, 2003, Genetic refinement and physical mapping of a 2.3Mb probable disease region associated with a bipolar affective disorder susceptibility locus on chromosome 4q35, <i>American Journal of Genetics Part B (Neuropsychiatric Genetics)</i> , 117B: 23-32. Figures 1, 3; Table 2; paragraph bridging p. 29-20	1, 2
X	Blair, I. et al., 2001, Towards identification of a susceptibility gene for bipolar affective disorder: Genomic characterisation of chromosome 4q35 (Abstract from 51st Annual Meeting of the American Society of Human Genetics. San Diego, California, USA. October 12-16, 2001), <i>American Journal of Human Genetics</i> , 69(4): Supplement p. 544. Whole Document	1, 2
X	Blair, I. et al., 2003, Bipolar affective disorder susceptibility locus on chromosome 4q35: Candidate gene analysis, (Abstract from XIth World Congress of Psychiatric Genetics. Quebec City, Quebec, Canada. October 04-08, 2003), <i>American Journal of Medical Genetics</i> , Vol. 122B, No. 1, pp. 107. Whole Document	1, 2
X	McInnis, M. G. et al., 2003, Genome-wide scan of bipolar disorder in 65 pedigrees: supportive evidence for linkage at 8q24, 18q22, 4q32, 2p12 and 13q12, <i>Molecular Psychiatry</i> , 8: 288-298. Table 1, 2	1, 2
X	Willour, V. L. et al., 2003, Genome scan of the fifty-six bipolar pedigrees from the NIMH genetics initiative replication sample: chromosomes 4, 7, 9, 18, 19, 20 and 21, <i>American Journal of Genetics Part B (Neuropsychiatric Genetics)</i> , 121B: 21-27. p. 24-25 <i>Replication Sample</i> ; p. 26 <i>Summary</i>	1, 2
P, X	Pickard, B. S. et al., 2004 (August), A 4q35.2 subtelomeric deletion identified in a screen of patients with co-morbid psychiatric illness and mental retardation, <i>BMC Medical Genetics</i> , 5: 21-27. Whole document	1, 2

INTERNATIONAL SEARCH REPORT**Information on patent family members**

International application No.

PCT/AU2005/000078

This Annex lists the known "A" publication level patent family members relating to the patent documents cited in the above-mentioned international search report. The Australian Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

Patent Document Cited in Search Report		Patent Family Member			
WO	9856947	AU	76315/98	CA	2263712
		EP	0920538	US	6274352

Due to data integration issues this family listing may not include 10 digit Australian applications filed since May 2001.

END OF ANNEX